CLAIMS

1. Method for adjusting a wiping angle (φ_1, φ_2) between a park position and a reversal position (28, 30) of a wiper lever (16, 18) of a windshield wiper system for a motor vehicle with at least one wiper lever (18) whose park position or reversal position (30) runs approximately parallel to an A pillar (14) of a vehicle body, which laterally delimits a windshield (10), wherein the wiping angle (φ_2) is adjusted by means of an eccentric ball pivot (60), which is arranged on a free end of a driving crank (54) and connects the same to a motor crank (52) in an articulated manner by means of an articulated rod (42), while the other end of the driving crank (54) sits on a drive shaft (56) in a rotationally fixed manner, said drive shaft driving a fastening part (58) of the wiper lever (18), characterized in that the windshield wiper system is first mounted on the vehicle body without the eccentric ball pivot (60), that a rivet journal (64) of the eccentric ball pivot (60) is then inserted into a corresponding bore hole of the driving crank (54), that the optimum wiping angle (φ_2) is determined and adjusted by modifying the effective radius (78) between an articulation axis (66) of the eccentric ball pivot (60) and an axis (76) of the drive shaft (56) by rotating the eccentric ball pivot (60) around an axis (68) of the rivet journal (64), and that finally the rivet journal (64) is fixed in the driving crank (54) in the adjusted position.

2. Method according to Claim 1, characterized in that, after the wiping angle (φ_2) is adjusted, the rivet journal (64) of the eccentric ball pivot (60) is stamped, caulked or riveted into the driving crank (54).

3. Method according to Claim 1, characterized in that the effective radius (78) with which the eccentric ball pivot (60) is adjusted is determined in a regulation loop on the basis of the tolerance position of the wiping angle (φ_2) of wiper systems already installed in like motor vehicles and the tolerance position of individual parts of the wiper system.

4. Method according to Claim 2, characterized in that the effective radius (78) with which the eccentric ball pivot (60) is adjusted is determined in a regulation loop on the basis of the tolerance position of the wiping angle (φ_2) of wiper systems already installed in like motor vehicles and the tolerance position of individual parts of the wiper system.

5. Method according to Claim 1, characterized in that, after the wiping angle (φ_2) is adjusted, the rivet journal (64) of the eccentric ball pivot (60) is stamped into the driving crank (54).

6. Method according to Claim 1, characterized in that, after the wiping angle (φ_2) is adjusted, the rivet journal (64) of the eccentric ball pivot (60) is caulked into the driving crank (54).

7. Method according to Claim 1, characterized in that, after the wiping angle (φ_2) is adjusted, the rivet journal (64) of the eccentric ball pivot (60) is riveted into the driving crank (54).